Figure 1 – High Level Overview of the Content Mover system

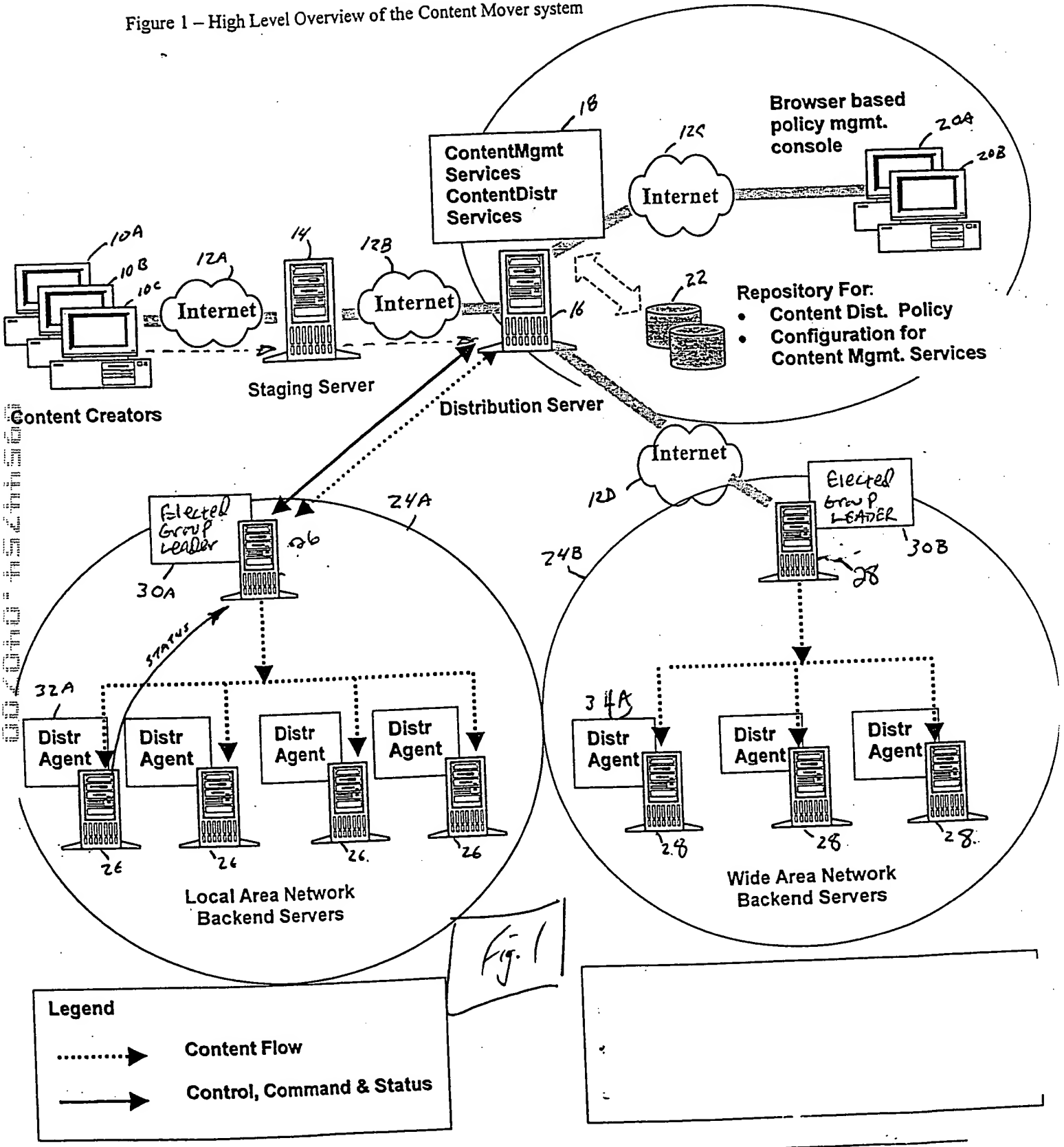


Fig. 1

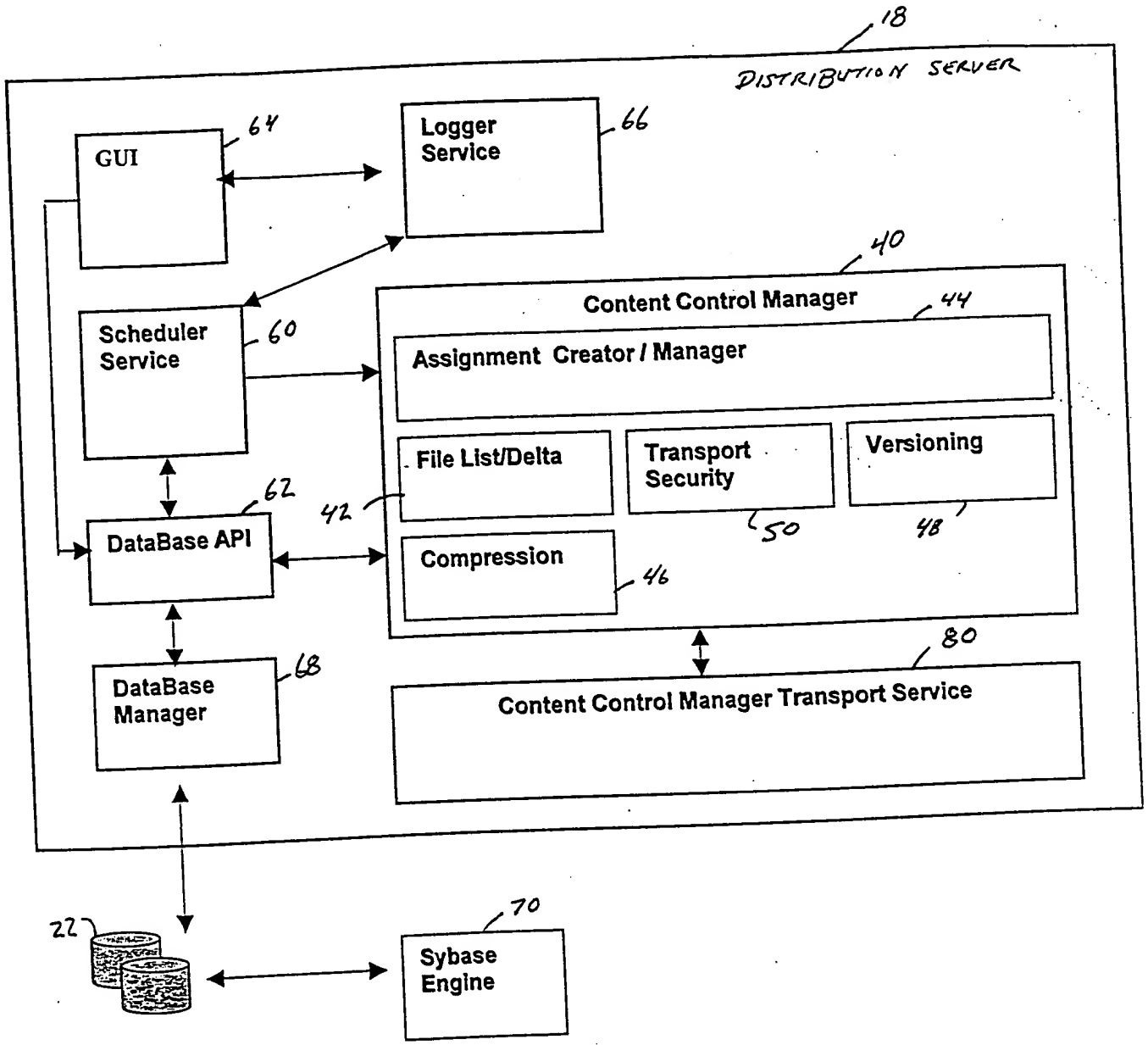

18
DISTRIBUTION SERVER
GUI
64
Logger Service
66
Scheduler Service
60
40
Content Control Manager
44
Assignment Creator / Manager
File List/Delta
Transport Security
Versioning
50
48
42
62
DataBase API
Compression
46
DataBase Manager
68
80
Content Control Manager Transport Service
22
70
Sybase Engine
Repository For:
• Content Dist. Policy
• Configuration for Content Mgmt. Services

Fig 2

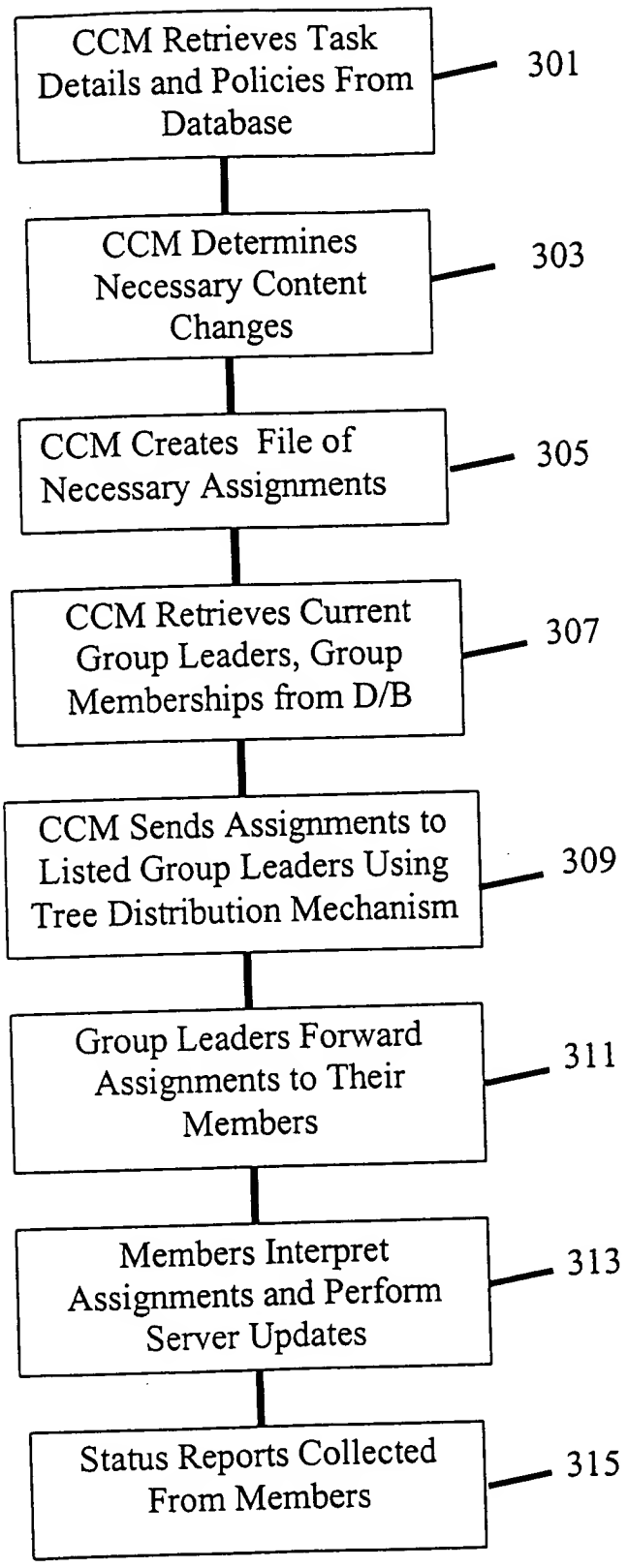

CCM Retrieves Task Details and Policies From Database
301
CCM Determines Necessary Content Changes
303
CCM Creates File of Necessary Assignments
305
CCM Retrieves Current Group Leaders, Group Memberships from D/B
307
CCM Sends Assignments to Listed Group Leaders Using Tree Distribution Mechanism
309
Group Leaders Forward Assignments to Their Members
311
Members Interpret Assignments and Perform Server Updates
313
Status Reports Collected From Members
315

Fig. 3

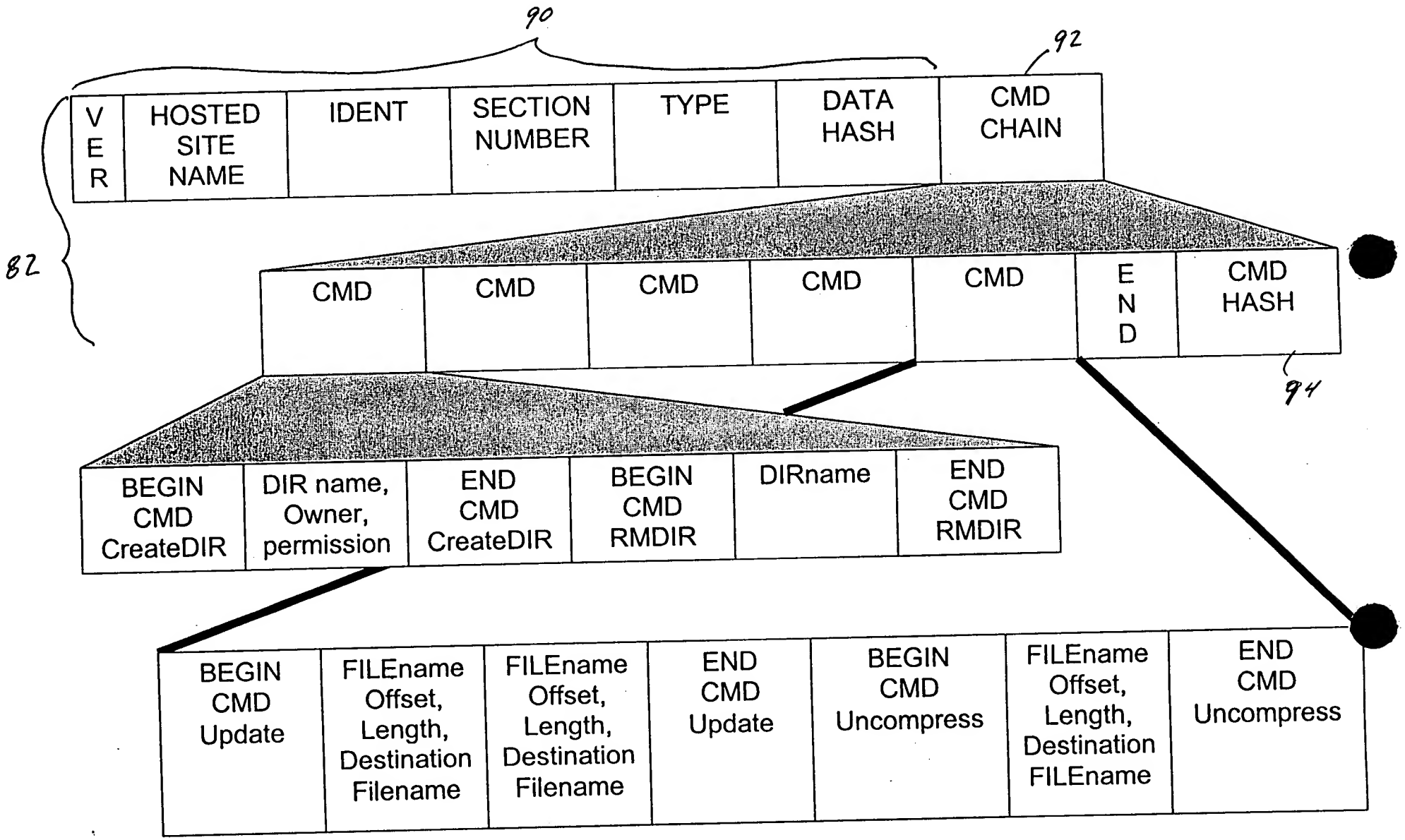
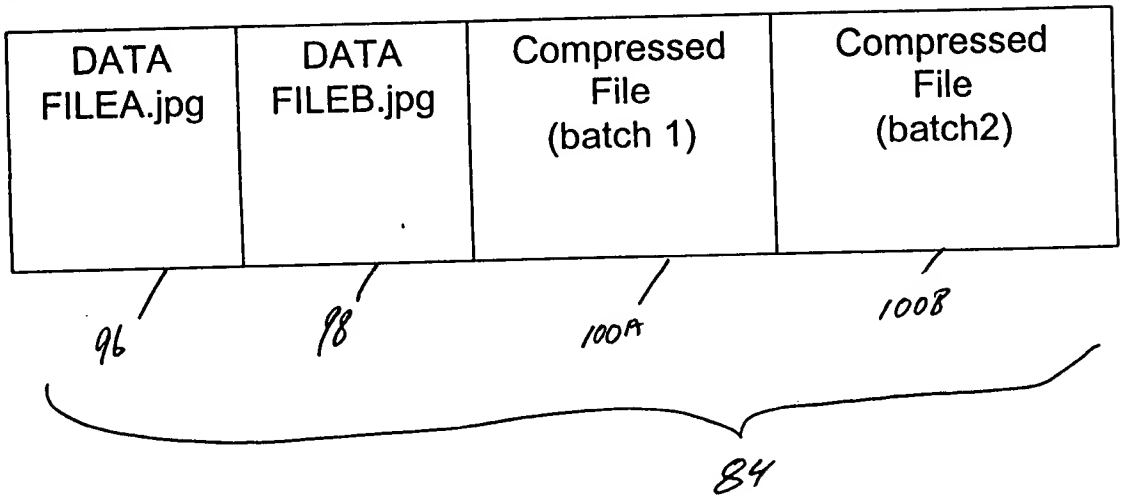

90
92
VER
HOSTED SITE NAME
IDENT
SECTION NUMBER
TYPE
DATA HASH
CMD CHAIN
82
CMD
CMD
CMD
CMD
CMD
END
CMD HASH
94
BEGIN CMD CreateDIR
DIR name, Owner, permission
END CMD CreateDIR
BEGIN CMD RMDIR
DIRname
END CMD RMDIR
BEGIN CMD Update
FILEname Offset, Length, Destination Filename
FILEname Offset, Length, Destination Filename
END CMD Update
BEGIN CMD Uncompress
FILEname Offset, Length, Destination FILEname
END CMD Uncompress

Fig. 4A

Fig. 4B


DATA FILEA.jpg
DATA FILEB.jpg
Compressed File (batch 1)
Compressed File (batch2)
96
98
100A
100B
84

Member state diagram

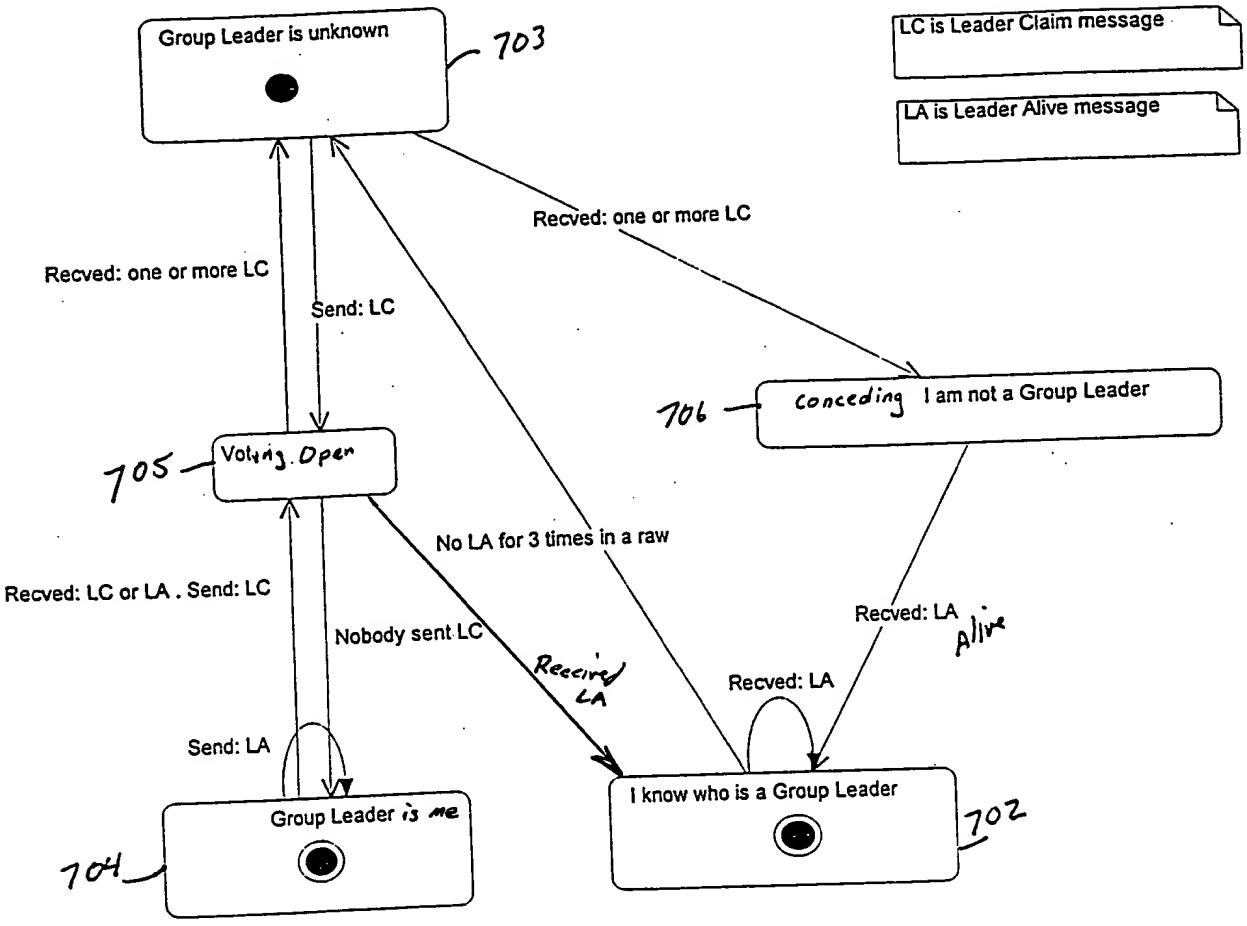


Figure 5

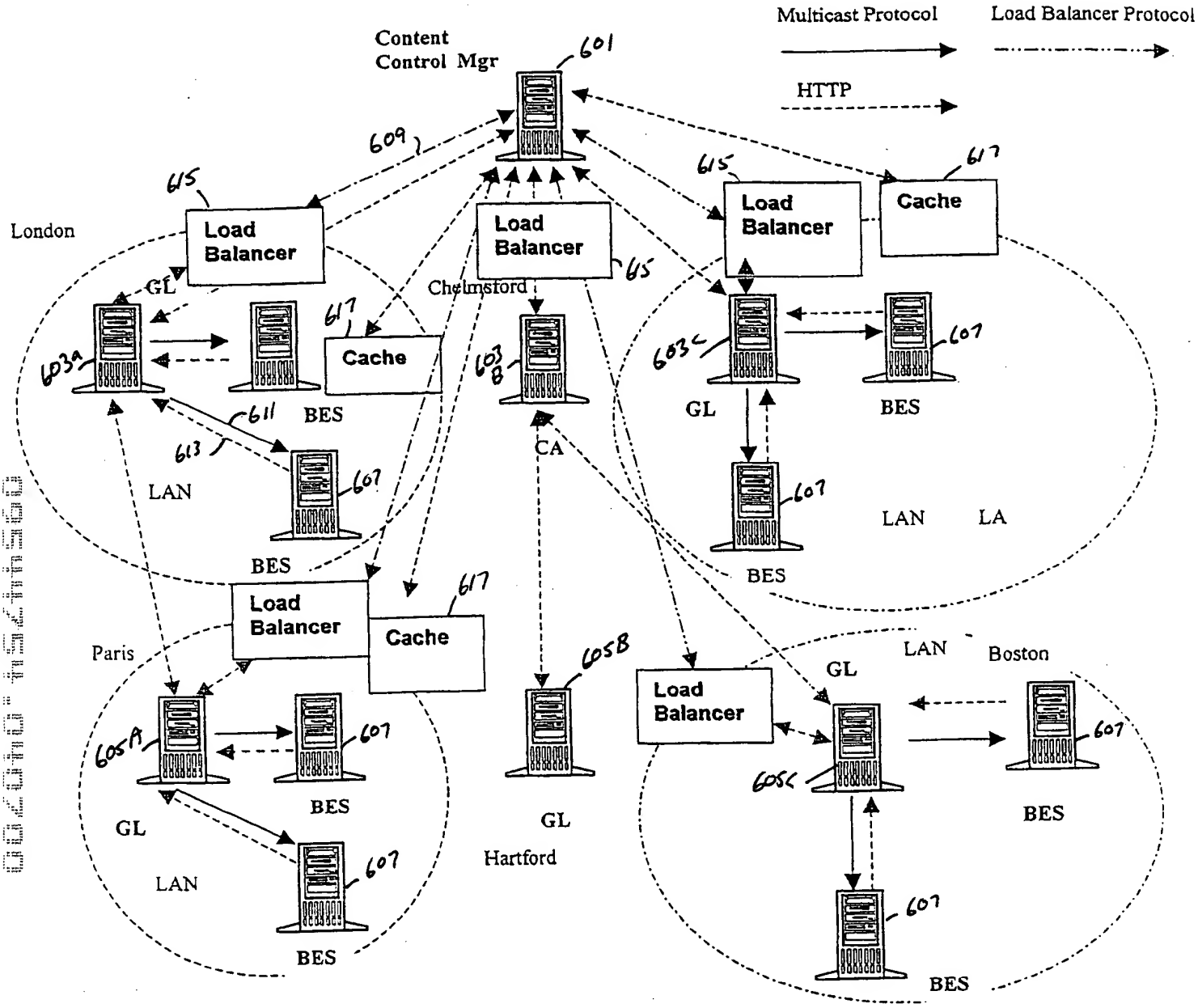

Multicast Protocol
Load Balancer Protocol
HTTP
Content Control Mgr
601
609
615
Load Balancer
617
Cache
London
GL
603A
611
BES
613
LAN
607
Chelmsford
605
603B
CA
603C
LA
Paris
605A
GL
Hartford
605B
Boston
605C

Fig. 6

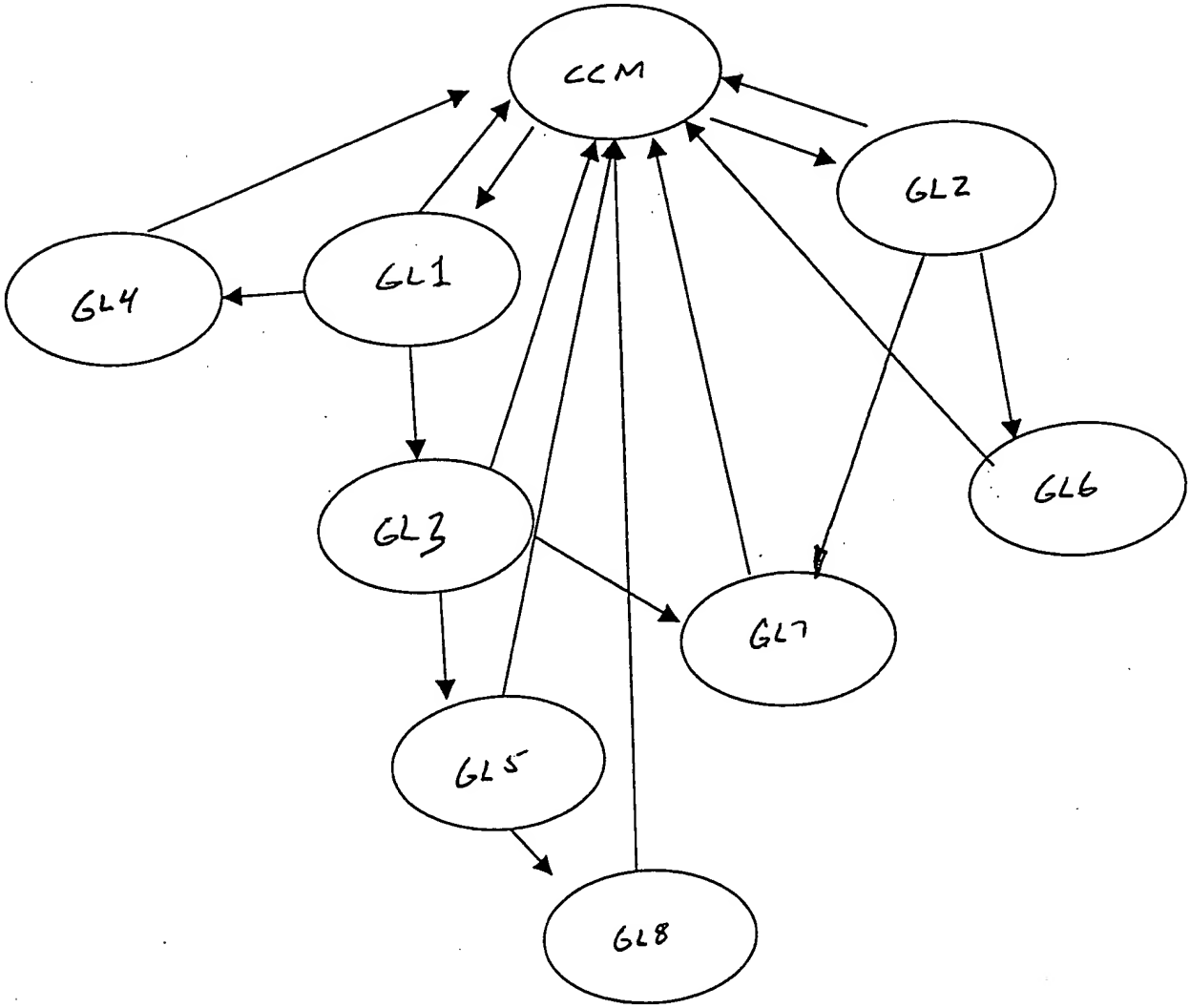


Fig 7